

ABSTRACT

A fluid pressure apparatus capable of achieving stable pressing is obtained. The fluid pressure apparatus comprises a fluid pressure pump (1) driven by an electric motor (6) and rotatable in both directions. Both ports (14, 16) of a fluid pressure cylinder (12) are respectively connected to both ports (2, 4) of the fluid pressure pump (1) via a pair of flow paths (8, 10). A throttle (32) is disposed on a leak flow path (30) which communicates a high pressure side with a low pressure side of the pair of flow paths (8, 10), while the pressing operation is performed by a fluid pressure cylinder (12). Furthermore, the fluid pressure apparatus comprises a position control circuit (38) for controlling the electric motor (6) based on a position detected by a movement detection sensor (34) for detecting movement by the fluid pressure cylinder (12), a pressure control circuit (40) for controlling the electric motor (6) based on pressure in the flow path (10) on the high pressure side detected by the pressure sensor (36), and a switch circuit (42) for switching control by the position control circuit (38) to control by the pressure control circuit (40).